



# Declaration of Performance

No. 202009-1032

Florence 3 Column 600mm

<b>Unique product code:</b>	SMC-F3C-602
<b>Type, batch or serial number:</b>	SMC-F3C-602
<b>Intended use of the construction product:</b>	In heating systems in buildings
<b>Manufacturer:</b>	Castrads Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
<b>System of AVCP:</b>	System 3
<b>Harmonized standard:</b>	EN 442-1:2014
<b>Notified body:</b>	CETIAT Domaine Scientifique de la Doua 25 Avenue des Arts BP 52042 69603 Villeurbanne France
<b>Test report number:</b>	ENE/MRT.ITPL.01004

## Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$ See appendix for factor $K_m$ and exponent $n$	
Resistance against corrosion:	No corrosion after 100h humidity	
Resistance against minor impact:	Class 0	

## Appendix: Dimensions and thermal outputs

Panel dimensions: 702mm h, 101mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
SMC-F3C-602/03	3	165	182	94	1.211	1.28095
SMC-F3C-602/04	4	210	242	125	1.615	1.28095
SMC-F3C-602/05	5	255	303	157	2.018	1.28095
SMC-F3C-602/06	6	300	364	188	2.422	1.28095
SMC-F3C-602/07	7	345	424	219	2.826	1.28095
SMC-F3C-602/08	8	390	485	250	3.229	1.28095
SMC-F3C-602/09	9	435	545	282	3.633	1.28095
SMC-F3C-602/10	10	480	606	313	4.037	1.28095
SMC-F3C-602/11	11	525	667	344	4.440	1.28095
SMC-F3C-602/12	12	570	727	376	4.844	1.28095
SMC-F3C-602/13	13	615	788	407	5.248	1.28095
SMC-F3C-602/14	14	660	848	438	5.651	1.28095
SMC-F3C-602/15	15	705	909	470	6.055	1.28095
SMC-F3C-602/16	16	750	970	501	6.459	1.28095
SMC-F3C-602/17	17	795	1030	532	6.862	1.28095
SMC-F3C-602/18	18	840	1091	563	7.266	1.28095
SMC-F3C-602/19	19	885	1151	595	7.670	1.28095
SMC-F3C-602/20	20	930	1212	626	8.073	1.28095
SMC-F3C-602/21	21	975	1273	657	8.477	1.28095
SMC-F3C-602/22	22	1020	1333	689	8.881	1.28095
SMC-F3C-602/23	23	1065	1394	720	9.284	1.28095
SMC-F3C-602/24	24	1110	1454	751	9.688	1.28095
SMC-F3C-602/25	25	1155	1515	783	10.092	1.28095
SMC-F3C-602/26	26	1200	1576	814	10.495	1.28095
SMC-F3C-602/27	27	1245	1636	845	10.899	1.28095
SMC-F3C-602/28	28	1290	1697	876	11.303	1.28095
SMC-F3C-602/29	29	1335	1757	908	11.706	1.28095
SMC-F3C-602/30	30	1380	1818	939	12.110	1.28095
SMC-F3C-602/31	31	1425	1879	970	12.514	1.28095
SMC-F3C-602/32	32	1470	1939	1002	12.917	1.28095
SMC-F3C-602/33	33	1515	2000	1033	13.321	1.28095
SMC-F3C-602/34	34	1560	2060	1064	13.725	1.28095
SMC-F3C-602/35	35	1605	2121	1096	14.128	1.28095
SMC-F3C-602/36	36	1650	2182	1127	14.532	1.28095
SMC-F3C-602/37	37	1695	2242	1158	14.936	1.28095
SMC-F3C-602/38	38	1740	2303	1189	15.339	1.28095
SMC-F3C-602/39	39	1785	2363	1221	15.743	1.28095
SMC-F3C-602/40	40	1830	2424	1252	16.147	1.28095

